

W/H



PCT

## RAW SEQUENCE LISTING

DATE: 04/18/2003

PATENT APPLICATION: US/09/831,690A

TIME: 14:22:54

Input Set : N:\Crf4\04022003\I831690.raw

Output Set: N:\CRF4\04182003\I831690A.raw

1 <110> APPLICANT: Carson, Monica J  
 2       Sutcliffe, J. Gregor  
 3       Almazan, Melissa T.  
 4       Tobal, Gabriela M.  
 5 <120> TITLE OF INVENTION: Gene Expression Modulated By Activation of Microglia Or Macrophages  
 6 <130> FILE REFERENCE: 98,634-A  
 7 <140> CURRENT APPLICATION NUMBER: US/09/831,690A  
 8 <141> CURRENT FILING DATE: 2002-10-04  
 9 <150> PRIOR APPLICATION NUMBER: US 60/108,259  
 10 <151> PRIOR FILING DATE: 1998-11-12  
 11 <160> NUMBER OF SEQ ID NOS: 69  
 12 <170> SOFTWARE: PatentIn version 3.1  
 14 <210> SEQ ID NO: 1  
 15 <211> LENGTH: 267  
 16 <212> TYPE: DNA  
 17 <213> ORGANISM: Mus musculus  
 18 <400> SEQUENCE: 1  
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 20       gtcaatccag cctgcatgtct ctccttcctt ccaccaagac ttctgtttct gctacttttg       120  
 21       cttcagaggg cgcctctgcc tcaagccacat cttatctggg agcaggaata ctgggtgtta       180  
 22       catctgtgtt gagtggggaa gacagctgga tgggtgtctg tcaacttctg cactttggac       240  
 23       attaaacatt ctccacacac cgaaaaaa       267  
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 26 <211> LENGTH: 331  
 27 <212> TYPE: DNA  
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 31       gaaggccccca ggaaagaaga caggagtctg tgaagaatgt ttccaaaatg gtgcaataat       120  
 32       tgacttattt ccctcggttc cccactagag gatcgaggct agatgccttg tgagaaatgc       180  
 33       ctttgagttt actgtccccca acgttttat aatattgtat ataagactat gaccgattgt       240  
 34       atttctataa gggagacgat ggcacctctg ccgcctgttt cgtctttataa cgactttttt       300  
 35       ttaattaaag ttttggatct ttggagaaaa a       331  
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 38 <211> LENGTH: 297  
 39 <212> TYPE: DNA  
 40 <213> ORGANISM: Mus musculus  
 41 <400> SEQUENCE: 3  
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 44       taaggcaact gtggccaaata tttatatcat gacataaaaa tggatttacg tatttgactg       180  
 45       aaatgaaagt tccactaaac ggtatttgct cttgtgatata gttggcacatt gtgatatttt       240  
 46       cttagtctgt tctgttttat taaaaaaaata aaattgctga tcaagacaga ataaaaaa       297

ENTERED

## RAW SEQUENCE LISTING

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Input Set : N:\Crf4\04022003\I831690.raw  
 Output Set: N:\CRF4\04182003\I831690A.raw

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50 <212> TYPE: DNA
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55 <223> OTHER INFORMATION: N stands for A, C, G or T
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63 tctcgatgtt ggttaactaa ttttgccag gaccattatt gatcaaggaa anaaattcaa 180
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69 <213> ORGANISM: Mus musculus
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73 tttcatggat tgagaatgt tagaggtttt gtttggtaa ttgattgatt tgttttttg 180
74 aagaaataaa tgatagatga ataaaacttcc aggaaaaa 218
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78 <212> TYPE: DNA
79 <213> ORGANISM: Mus musculus
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84 aagccttatat ctgcattata atacgtaaaa a 211
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93 <223> OTHER INFORMATION: N stands for A, C, G or T
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96 <222> LOCATION: (228)..(228)
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99 ccggtttggt catccaaacag rgaagaaatg aatatgaaat tccagcaata agaaatgaac 60

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Input Set : N:\CrF4\04022003\I831690.raw  
 Output Set: N:\CRF4\04182003\I831690A.raw

tttggc gctgaagacc ttaagtgc ttgttttttttgc ctctgaccag ataaacattag 120  
 tctgc attatctatg cagcatgggg ttttttttttacctaa agatgtctct 180  
 gtaat gacaaacgtg ttttttaaga aaaaaacccn aaaaaaanc 229

D NO: 8  
 H: 213  
 DNA  
 ISM: Mus musculus  
 NCE: 8

tggca cagccaksra ctgacactgg aataggaatg tgatggcgt cgccaccctct 60  
 tgggg gaatgtttgt aacttgcgtt tgatctaat gtcgatcccc ttaggtgggtt 120  
 aataat tcattttgt tgtaaacttc agcctaagat aaatgtacat ctgttttgt 180  
 ctcat taaacattgt aacagaccaa aaa 213

D NO: 9  
 H: 355  
 DNA  
 ISM: Mus musculus  
 RE:  
 KEY: misc\_feature  
 ION: (328)..(328)  
 INFORMATION: N stands for A, C, G or T  
 NCE: 9

gagcc tatggactca atgtgaagaa ctgtggagcc cagttccaccc ctctacacca 60  
 ctgtc cctgcactgc tcggcttcc ctccgcagc caaccttgc ggttcagcc 120  
 tgagg gacatctgtt gcctgtcgc tccatgtac cctgacctgc aactcctcac 180  
 cactg agaataataa tttgaatgtt accttgattt ttatcatctt gacctaaggc 240  
 tcttg ttaatttcat ggatttgagaa tgcttagagg ttttgtctgt ttgtttgatt 300  
 gtttt tttgaagaaa taaatganag atgaataaac tcccaaaaatg aaaaaa 355

D NO: 10  
 H: 360  
 DNA  
 ISM: Mus musculus  
 RE:  
 KEY: misc\_feature  
 ION: (84)..(84)  
 INFORMATION: N stands for A, C, G or T  
 NCE: 10

gtgcc gcaacgacat tgccttggaaac tttgagaagt tcctgggggg ccccgacgg 60  
 cgtgc gcagggtacag tcgncgcttt cgtaccatcg acatcgacc tgacatagaa 120  
 gctgt cccagcgtc tggcaactcc taaggcgcc ctggcattgg cttgggtatt 180  
 ctgca ctctgggggg cggttcttcc atgatgggtt ttcctctaaa ttgcacgg 240  
 acctg atttccagaa aaatccccctc agatggcgcc tggccatc cattcccgat 300  
 tccac ctaatgaaatg gtgggttccac tactaagaat aaatgtctga atgtcaaaaa 360

D NO: 11  
 H: 361  
 DNA  
 ISM: Mus musculus  
 NCE: 11

catgt attgtatcca tgcattatata tcagataacc acaacagctg ctaatgcctt 60  
 attct caggactqc atgcaatqta acattactqg ttgggttctqc caatttcc 120

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Input Set : N:\Crf4\04022003\I831690.raw  
Output Set: N:\CRF4\04182003\I831690A.raw

153	cttggtattt ataaaaggaaa accaaaactc ttggtcagag acaatatgca aaacagagat	180
154	gtcaagtact atgtccaaat áctgtgaaat atagtgagaa ataggttaca aatttatcaa	240
155	tcaactatgt ttggatccag ggaatctcaa gttattcaat tcattctctg taagccttg	300
156	tctctctt catccagact tttgccttca aatacaagca tgcgctattt tctggaaaa	360
157	a	361
159 <210>	SEQ ID NO: 12	
160 <211>	LENGTH: 245	
161 <212>	TYPE: DNA	
162 <213>	ORGANISM: Mus musculus	
163 <400>	SEQUENCE: 12	
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165	cgaagtgcctc tgttagattt ttgtatgaaat gttttatgct tgcatttaaa cctgaaatgt	120
166	gtgagcagaa tgagacaatc ttacaatca gaattgagaa gtgttacaat tgaatggct	180
167	tgtgtctgt tag caataaaatg accaagtgcata atgactttaa taaaatcatc cttcaaacgc	240
168	aaaaaa	245
170 <210>	SEQ ID NO: 13	
171 <211>	LENGTH: 264	
172 <212>	TYPE: DNA	
173 <213>	ORGANISM: Mus musculus	
174 <400>	SEQUENCE: 13	
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177	ctgtcagggtt agcgtcaggc agttacaaag tctgtgggt taaaaatgtt acagagcaaa	180
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188	ctgaatttgcac aatgtgcac ttaactgata aattatattt gttttttttt aatggaaatgtt	180
189	tatttcgaaa aa	192
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197	agaatgctca acatgaccct ctgctgactg gatgtcttc aatgtacgaaat cccttcagac	120
198	cccgaaaatgtt ctgtcctt ttgttagtccat ctatcttgcagtttctcaaa ccactttca	180
199	tgaaccatgtt aatattcaag agaactaaat ttgaatgttgc tacaatgtt tctttttaac	240
200	acgtgccata atacactatc ttctgtctgtt cagtccttca catctaccc tctgttatttca	300
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RAW SEQUENCE LISTING  
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Input Set : N:\Crf4\04022003\I831690.raw  
Output Set: N:\CRF4\04182003\I831690A.raw

207 <213> ORGANISM: Mus musculus  
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 211 <223> OTHER INFORMATION: N stands for A, C, G or T  
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 215 <223> OTHER INFORMATION: N stands for A, C, G or T  
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 218 <222> LOCATION: (391)..(391)  
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 220 <400> SEQUENCE: 16  
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 222       aatgtggtaa aaacggggccg aatgtatgtgg ggggagacca atccagctga ttcaaaacca       120  
 223       ggcaccatcc gttggggattt ctgcattcaa gttggcagga acatcattca tggcagtgtat       180  
 224       tcagtggaga gtgctgagaa agagatccat ctgtggttt aagccgaaaga actgatcgac       240  
 225       tacaagtctt gtgcccattttt ctgggtgtac gagtagacat gaagaaacca gaatccctttt       300  
 226       cagcactact gatgggtttc tgacacagac ttttcatccc actgacacagga tggatcatct       360  
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 231 <212> TYPE: DNA  
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 235       atttctgagt ttgaggccag cctggcttac agagtggatggt cgaggacaac caggcttaca       120  
 236       cagagaaacc ctgtctcgaa aaccaaaaac aaaaaaaaaaa aactccagt taagacttct       180  
 237       aataccaaat tcttttgcattt gttatgaaaaaaa taaagtatataa aamcgaaaaa a       231  
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 241 <212> TYPE: DNA  
 242 <213> ORGANISM: Mus musculus  
 243 <400> SEQUENCE: 18  
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 245       gctgtggagt gctgcttatg gggagaatgt gctgaaaaaaa gcatgagcct tcctgccaag       120  
 246       gattgctgac aaactgctct tgattgtttc tttaaggaac tgctttctt ccctgactcc       180  
 247       tctgctcatc ctggccatac aattttccag tcagccaaacc tcattactaa tcatgttaggg       240  
 248       aatggagctt aaagcagaca gggcacctt tgatcacatt tttttctt gcaataaaatg       300  
 249       acaactccca acaaaaaa       317  
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 257       atttctgagt ttgaggccag cctggcttac agagtggatggt cgaggacaac caggcttaca       120  
 258       cagagaaacc ctgtctcgag aaccaaaaac aaaaaaaaaaa aactccaggta aagacttctt       180

RAW SEQUENCE LISTING ERROR SUMMARY  
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Input Set : N:\Crf4\04022003\I831690.raw  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; N Pos. 22,172  
Seq#:7; N Pos. 220,228  
Seq#:9; N Pos. 328  
Seq#:10; N Pos. 84  
Seq#:16; N Pos. 385,387,391  
Seq#:22; N Pos. 72,110,179,231,267,272,284,305,330,357,364,375  
Seq#:26; N Pos. 47,48  
Seq#:28; N Pos. 16  
Seq#:30; N Pos. 13,14,15,16

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5  
Seq#:26; Line(s) 381  
Seq#:29; Line(s) 420  
Seq#:31; Line(s) 442  
Seq#:32; Line(s) 452  
Seq#:33; Line(s) 462  
Seq#:34; Line(s) 472  
Seq#:35; Line(s) 482  
Seq#:36; Line(s) 492  
Seq#:37; Line(s) 502  
Seq#:38; Line(s) 512  
Seq#:39; Line(s) 522  
Seq#:40; Line(s) 532  
Seq#:41; Line(s) 542  
Seq#:42; Line(s) 552  
Seq#:43; Line(s) 562  
Seq#:44; Line(s) 572  
Seq#:45; Line(s) 582  
Seq#:46; Line(s) 592  
Seq#:47; Line(s) 602  
Seq#:48; Line(s) 612  
Seq#:49; Line(s) 622  
Seq#:50; Line(s) 632  
Seq#:51; Line(s) 642  
Seq#:52; Line(s) 652  
Seq#:53; Line(s) 662  
Seq#:54; Line(s) 672  
Seq#:55; Line(s) 682  
Seq#:56; Line(s) 692  
Seq#:57; Line(s) 702

RAW SEQUENCE LISTING ERROR SUMMARY  
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Input Set : N:\Crf4\04022003\I831690.raw  
Output Set: N:\CRF4\04182003\I831690A.raw

Seq#:58; Line(s) 712  
Seq#:59; Line(s) 722  
Seq#:60; Line(s) 732  
Seq#:61; Line(s) 742  
Seq#:62; Line(s) 752  
Seq#:63; Line(s) 762  
Seq#:64; Line(s) 772  
Seq#:65; Line(s) 782  
Seq#:66; Line(s) 792  
Seq#:68; Line(s) 813  
Seq#:69; Line(s) 822

## VERIFICATION SUMMARY

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Input Set : N:\Crf4\04022003\I831690.raw  
Output Set: N:\CRF4\04182003\I831690A.raw

L:61 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
M:341 Repeated in SeqNo=4  
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:180  
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:300  
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:60  
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:360  
L:335 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:60  
M:341 Repeated in SeqNo=22  
L:391 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:413 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0